

Appendix table 4-14

Gross expenditures on R&D, by performing and funding sectors, for selected countries: 2010

(Million of current PPP dollars)

Country/R&D performer	Source of R&D funds						Performers, % distribution
	All sources	Business	Government	Higher education	Private nonprofit	Abroad	
United States (2010)	409,599	234,202	133,497	12,100	14,472	15,328	100.0
Business	278,977	229,792	34,199	0	0	14,986	68.1
Government	51,632	0	51,632	0	0	0	12.6
Higher education	60,369	3,145	40,353	12,100	4,771	NA	14.7
Private nonprofit	18,621	1,265	7,313	0	9,701	342	4.5
Sources, % distribution	100.0	57.2	32.6	3.0	3.5	3.7	—
France (2010)	49,934	26,717	18,496	517	404	3,799	100.0
Business	31,538	25,862	2,683	18	12	2,962	63.2
Government	6,976	563	5,840	37	58	478	14.0
Higher education	10,785	212	9,726	458	95	293	21.6
Private nonprofit	634	79	246	4	239	66	1.3
Sources, % distribution	100.0	53.5	37.0	1.0	0.8	7.6	—
Germany (2010)	86,280	56,588	26,139	0	203	3,351	100.0
Business	57,886	53,266	2,585	0	50	1,986	67.1
Government	12,771	1,144	10,860	0	153	614	14.8
Higher education	15,622	2,178	12,693	**	**	751	18.1
Private nonprofit	0	**	**	**	**	**	0.0
Sources, % distribution	100.0	65.6	30.3	0.0	0.2	3.9	—
United Kingdom (2010)	39,685	17,600	12,740	494	1,909	6,942	100.0
Business	24,357	16,796	2,098	**	7	5,456	61.4
Government	3,664	278	3,103	33	128	122	9.2
Higher education	10,684	440	7,143	446	1,451	1,205	26.9
Private nonprofit	979	87	395	14	323	160	2.5
Sources, % distribution	100.0	44.3	32.1	1.2	4.8	17.5	—
China (2010)	178,168	127,728	42,793	NA	NA	2,324	100.0
Business	130,814	121,316	5,973	NA	NA	2,090	73.4
Government	32,286	1,404	27,768	NA	NA	98	18.1
Higher education	15,068	5,008	9,052	NA	NA	137	8.5
Private nonprofit	0	NA	NA	NA	NA	NA	0.0
Sources, % distribution	97.0	71.7	24.0	NA	NA	1.3	—
Japan (2010)	140,959	107,031	24,206	7,985	1,106	630	100.0
Business	107,853	105,919	1,258	14	73	589	76.5
Government	12,721	94	12,546	28	40	12	9.0
Higher education	18,145	477	9,541	7,937	179	11	12.9
Private nonprofit	2,240	541	861	6	814	17	1.6
Sources, % distribution	100.0	75.9	17.2	5.7	0.8	0.4	—
South Korea (2010)	53,243	38,231	14,241	454	203	115	100.0
Business	39,826	37,059	2,678	17	11	61	74.8
Government	6,748	234	6,453	18	28	15	12.7

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Higher education	5,761	650	4,596	415	76	24	10.8
Private nonprofit	908	288	514	4	87	15	1.7
Sources, % distribution	100.0	71.8	26.7	0.9	0.4	0.2	na

** = included in other categories; na = not applicable; NA = not available.

PPP = purchasing power parity.

NOTES: Included the top seven R&D performing countries globally. Foreign currencies are converted to dollars through purchasing power parities. Data for the United States reflect international standards for calculating gross expenditures on R&D, which vary slightly from NSF's protocol for tallying U.S. total R&D.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, National Patterns of R&D Resources (annual series); Organisation for Economic Co-operation and Development, Research and Development Statistics database, <http://www.oecd.org/sti/innno/researchanddevelopmentstatisticsrds.htm>, accessed 13 August 2013.

Science and Engineering Indicators 2014